

Roll No.:

THEORY SPECIAL SUPPLEMENTARY/RE-APPEAR EXAMINATION NOV-2021

Program:	MPT (Ortho)	Year/Semester:	1st Semester
Course/Subject:	Review of Human Sciences -1	Duration:	03:00 HRS
Course/Subject Code:	03110101	Maximum Marks:	60
		Batch:	2019

Instructions:-

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

SECTION-A

(Very Short Answer Type Questions)

Note: All Questions are compulsory: -

[12X1=12]

S. No.	Question	Marks Allotted
1	Explain the function of Nephron in detail. Also draw its structure.	1
2	Enumerate various lung volumes and their values.	1
3	Explain the composition and function of blood.	1
4	Draw the structure of heart.	1
5	Explain the pulmonary circulation in detail	1
6	Discuss physiology of Respiration.	1
7	What is Pulmonary function Tests?	1
8	Explain the role of autonomic nervous system in maintaining homeostasis in players?	1
9	What is a Motor unit?	1
10	Explain the types of muscle contractions?	1
11	Explain DOMES?	1
12	What is the function of thymus gland?	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[4X2=8]

S. No.	Question	Marks Allotted
13	Describe the properties of the nerve fiber?	2
14	Define ERV and VC. Also give their value.	2
15	Explain the process of blood coagulation.	2
16	What is all or none law of muscle contraction?	2

SECTION-C
(Long Answer Type Questions)

Note: All Questions are compulsory: -

[4X10=40]

S. No.	Question	Marks Allotted
17	What is Erb's paralysis? Explain shoulder joint anatomy in detail?	10
18	What are the metabolic adaptations of Anaerobic exercise?	10
19	Explain in detail the components of fitness training.?	10
20	Describe in detail gross features of hip joint? Also explain ligaments & muscles of the hip joint?	10